

In the Specification:

Please amend the specification as follows:

Please replace the paragraph beginning on page 10, line 11, with the following rewritten paragraph:

~~Fig. 5A-5B~~ Figs. 5A-5D are sequential views showing an air jet flow pattern of a initial embodiment of the present invention;

Please replace the paragraph beginning on page 10, line17, with the following rewritten paragraph:

~~Fig.~~ Figs. 9A, 9B, 9C-1, 9C-2, 9D-1, 9D-2 illustrating illustrate the vortex that is shed from the wingtip in situations without activation of the vortex dissipating apparatus and with the activation of the vortex dissipating apparatus where the frequency of the cyclic movement of the direction of the jet air stream is at 10.7 Hz;

Please replace the paragraph beginning on page 16, line 18, with the following rewritten paragraph:

During take-off and landing, high-lift devices are deployed and the trailing wake consists of multiple vortex elements developed by these high lift devices. In those configurations, the dynamics of the individual vortices [[is]] are more complex, but the destabilization caused by atmospheric disturbances is still the leading mechanism of vortex decay.

Please replace the paragraph beginning on page 19, line18, with the following rewritten paragraph:

Reference is now made to Figs. 6, 7, and 8 to describe the nozzle discharge section 52 in more detail. It is to be understood that Figs. 6, 7, and 8 are somewhat schematic and are not intended to show an optimized structural configuration design, but rather to show a design having components which would perform the basic functions. In the situation where this design [[were]] was to be actually implemented as part of an aircraft, then each of the components would be configured to match the design goals of being lightweight, structurally sound, functional and to accomplish the pressurizing, containment, and discharge of the jet air stream 62., and also to properly fit in the contours of the wing or other airfoil.

Please replace the paragraph beginning on page 27, line24, with the following rewritten paragraph:

In Fig. 14A, there is shown a forward set of jet air stream portions [[62a]] 60a and a rear set of jet air stream portions [[62b]] 60b. Both of these are the same position as shown in Fig. 14A. As shown in Fig. 14B, the forward set [[62a]] 60a has moved downwardly 30 degrees, while the rear set [[62b]] 60b has moved upwardly 30 degrees. Then in 14C, the two sections of jet air stream portions [[62a]] 60a and [[62b]] 60b have reversed their direction of orientation and are moving more toward the horizontal position and in Fig. 14C and moving through the horizontal position but still rotating in opposite directions. As shown in Fig. 14D, they have moved to the position where the forward jet air stream portion [[62a]] 60a has moved

upwardly 30 degrees, and the rear jet air stream portion [[62b]] 60b has moved downwardly 30 degrees. Then as shown in Fig. 14E, the two jet air stream portions [[62a]] 60a and [[62b]] 60b are moving at a reverse direction and are passing through the horizontal position at the same time, but traveling in opposite directions.